

# Basin Conditions Update

Water Operations Committee Meeting

May 23, 2023



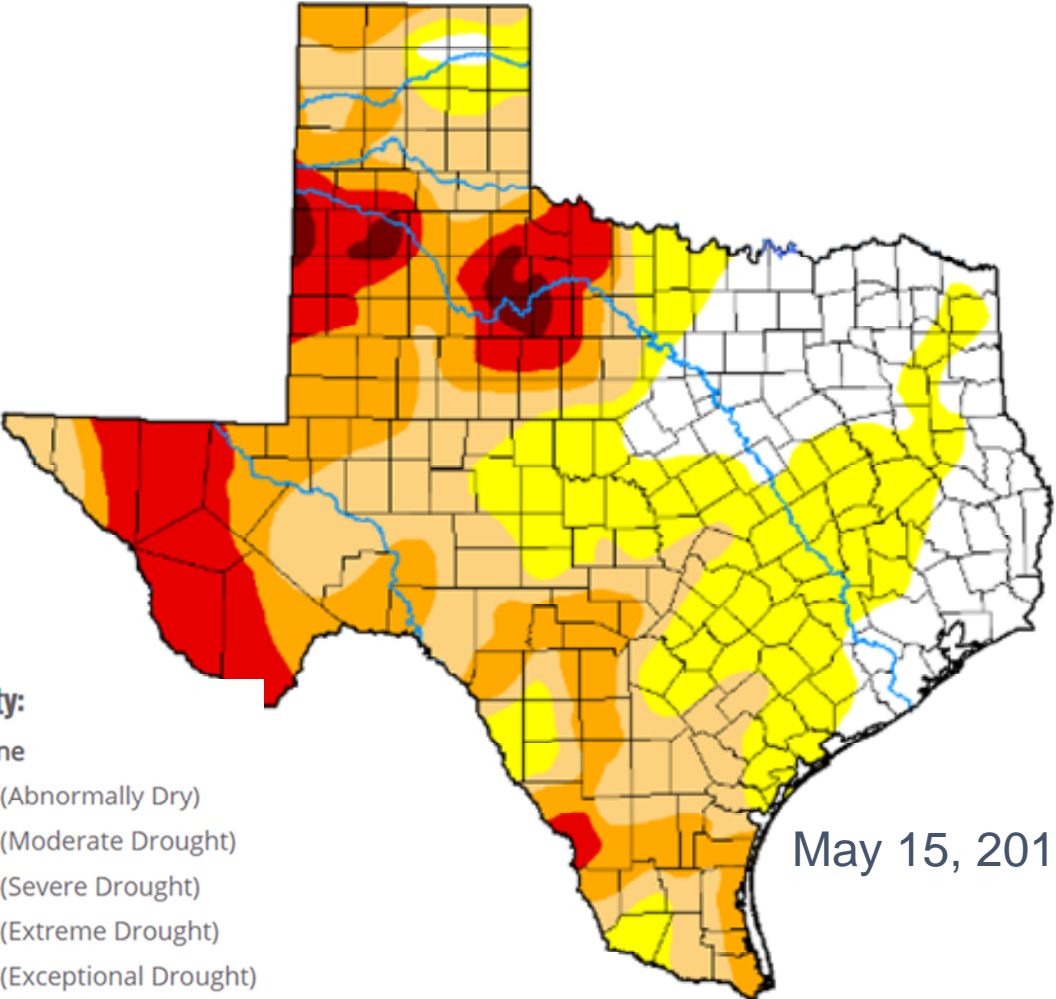
# U.S. Drought Monitor Texas

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

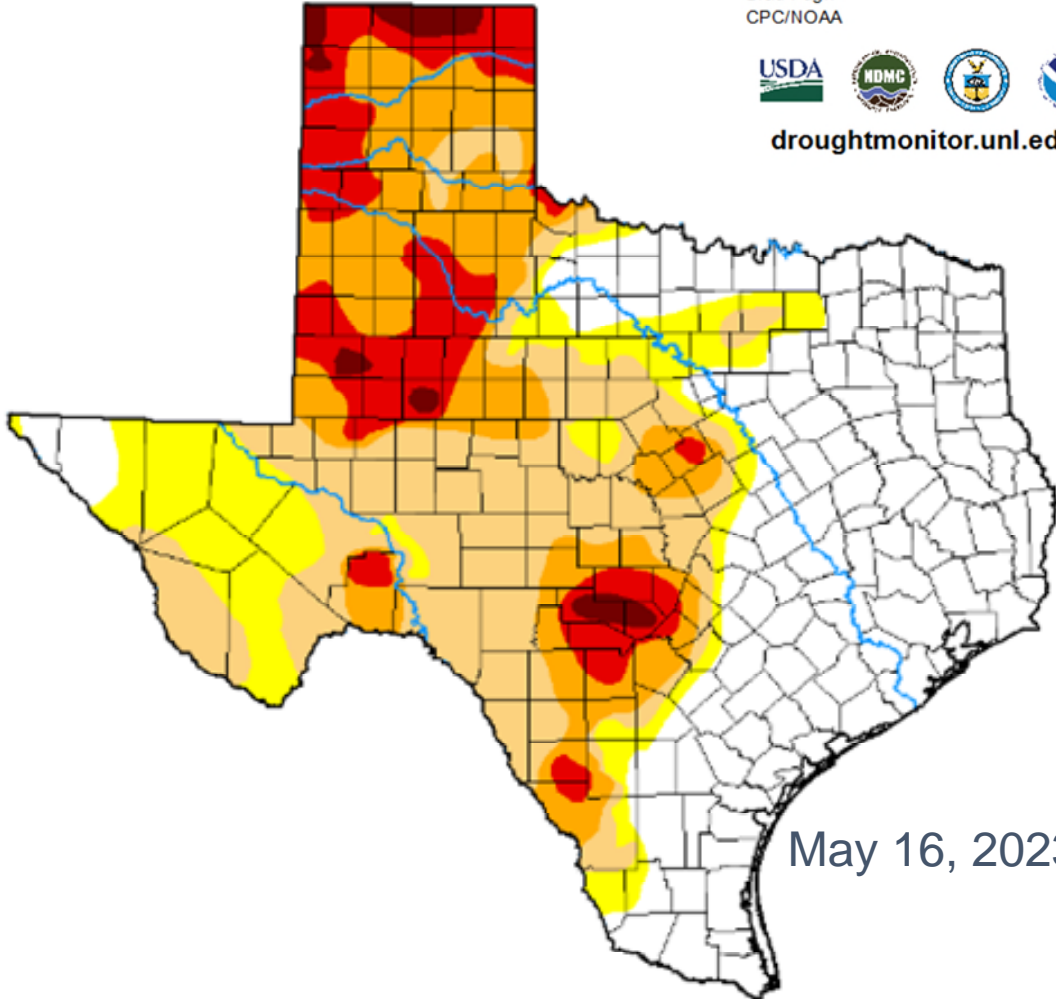
Author:  
Brad Pugh  
CPC/NOAA



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



May 15, 2012



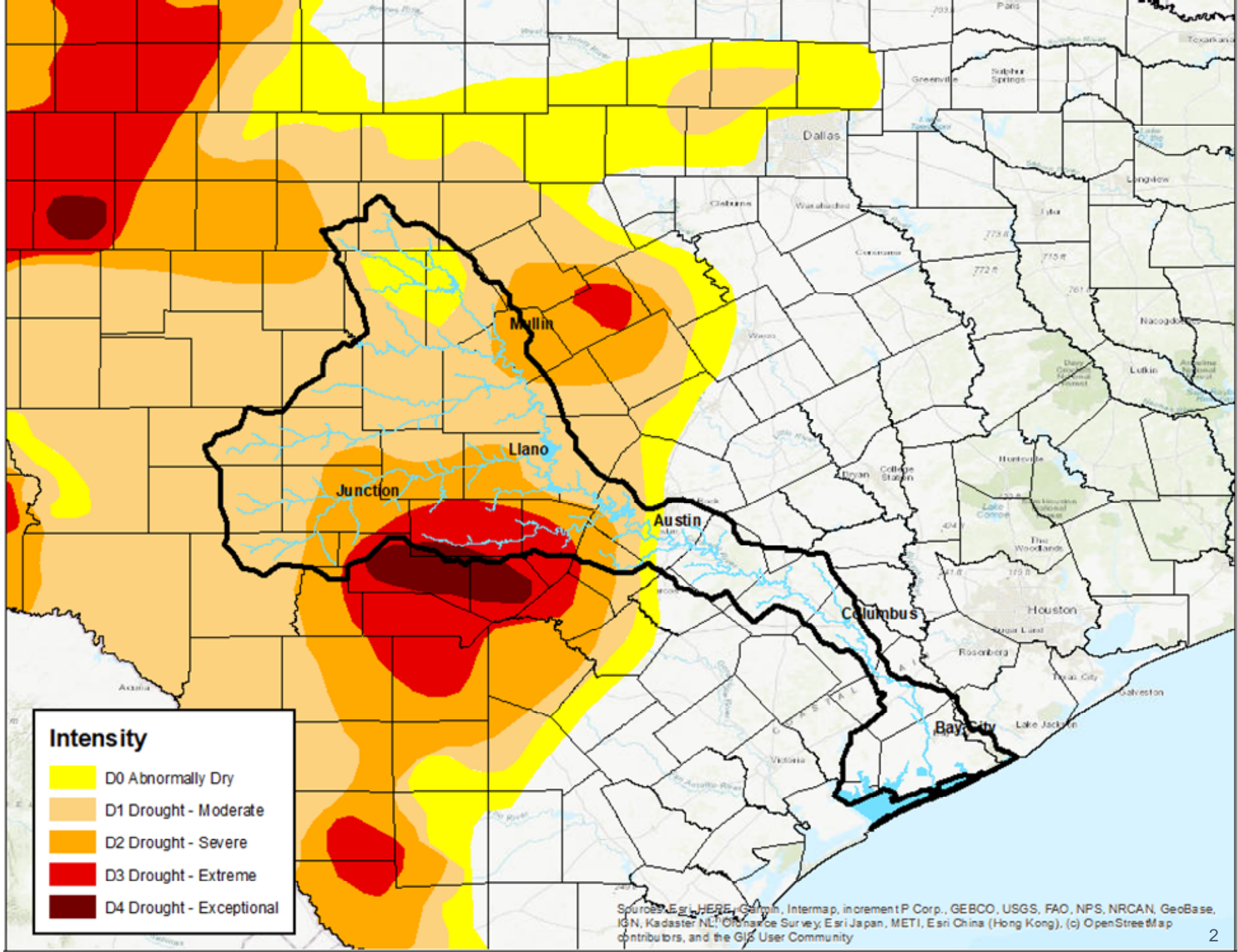
May 16, 2023

- Intensity:**
- None
  - D0 (Abnormally Dry)
  - D1 (Moderate Drought)
  - D2 (Severe Drought)
  - D3 (Extreme Drought)
  - D4 (Exceptional Drought)
  - No Data

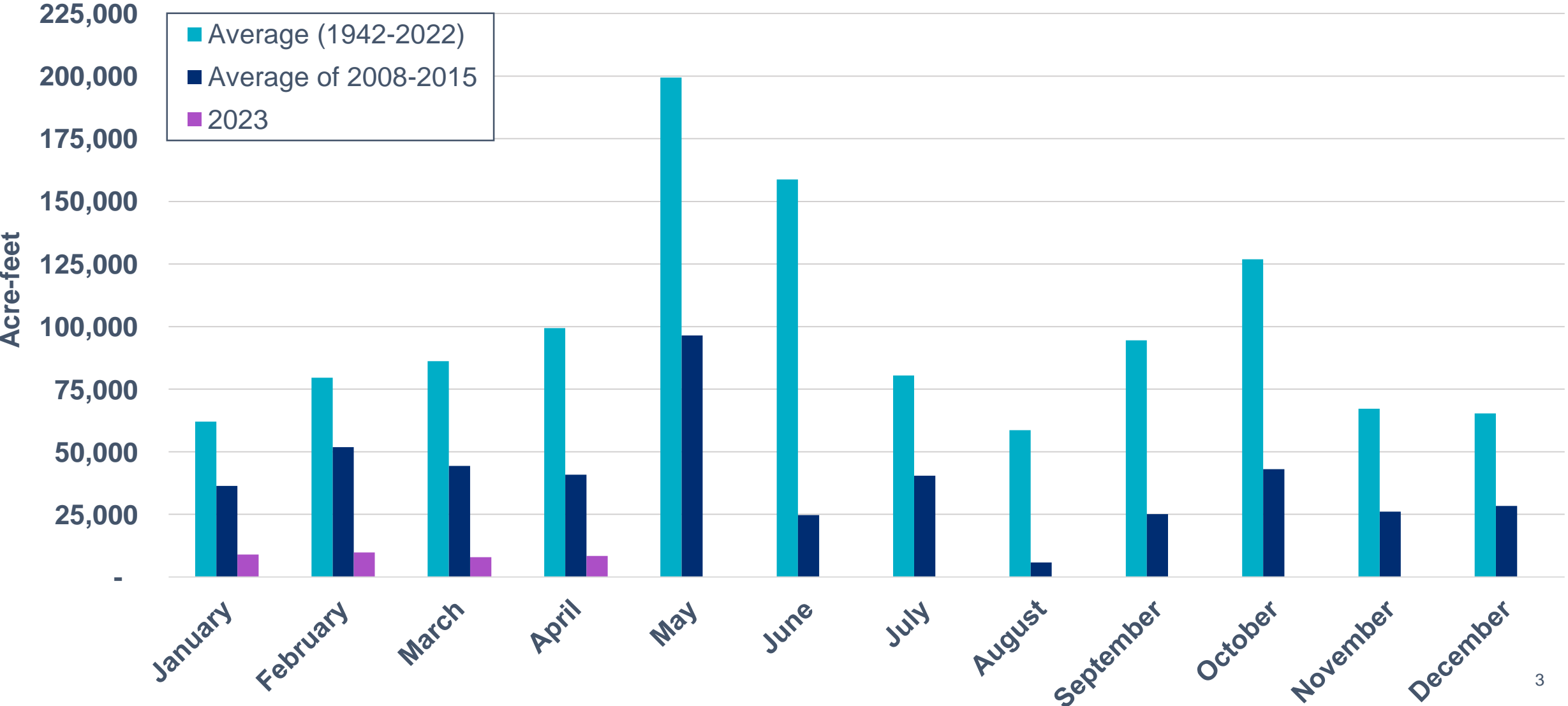
# U.S. Drought Monitor

## Lower Colorado River Basin

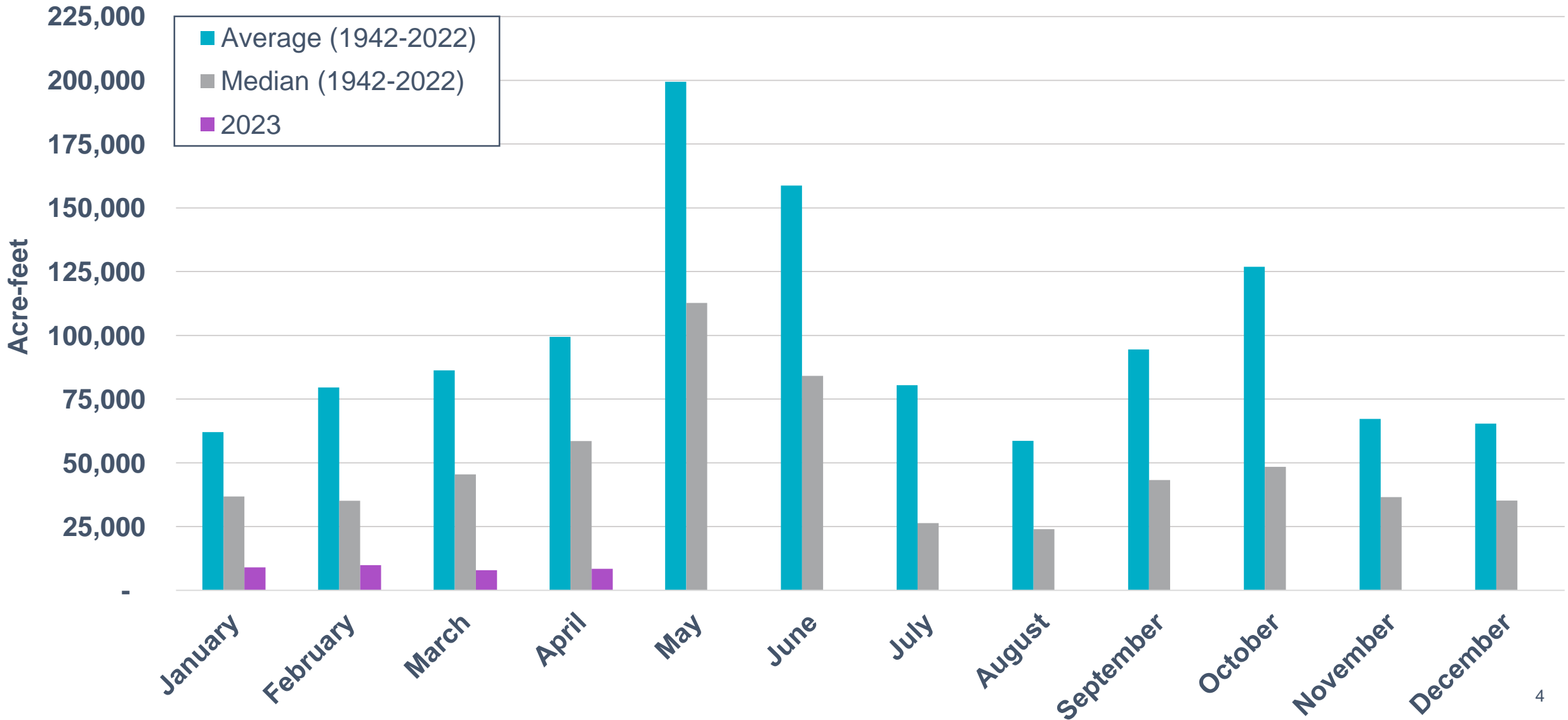
As of May 16, 2023



# Water Flowing Into Lakes Buchanan and Travis

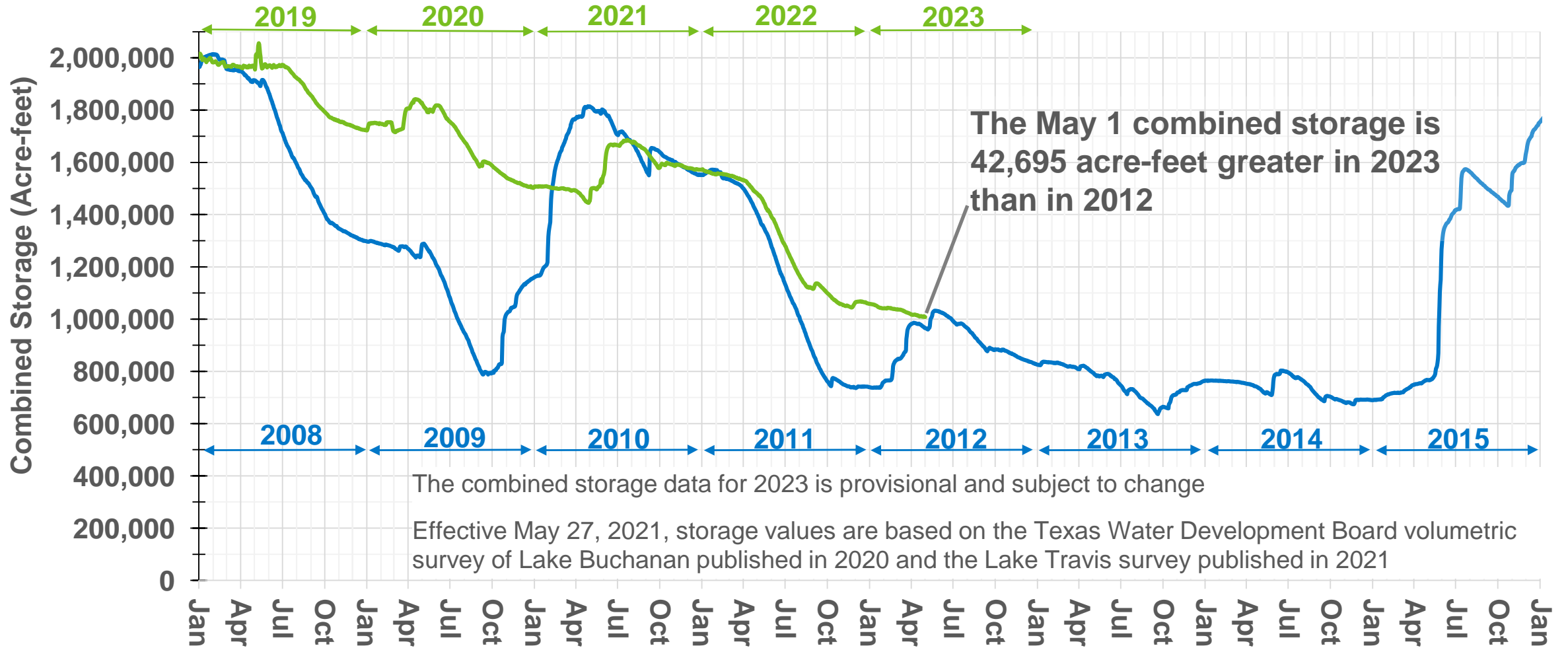


# Water Flowing Into Lakes Buchanan and Travis – Median



# Combined Storage of Lakes Buchanan and Travis

## Comparison of 2019-2023 and 2008-2015

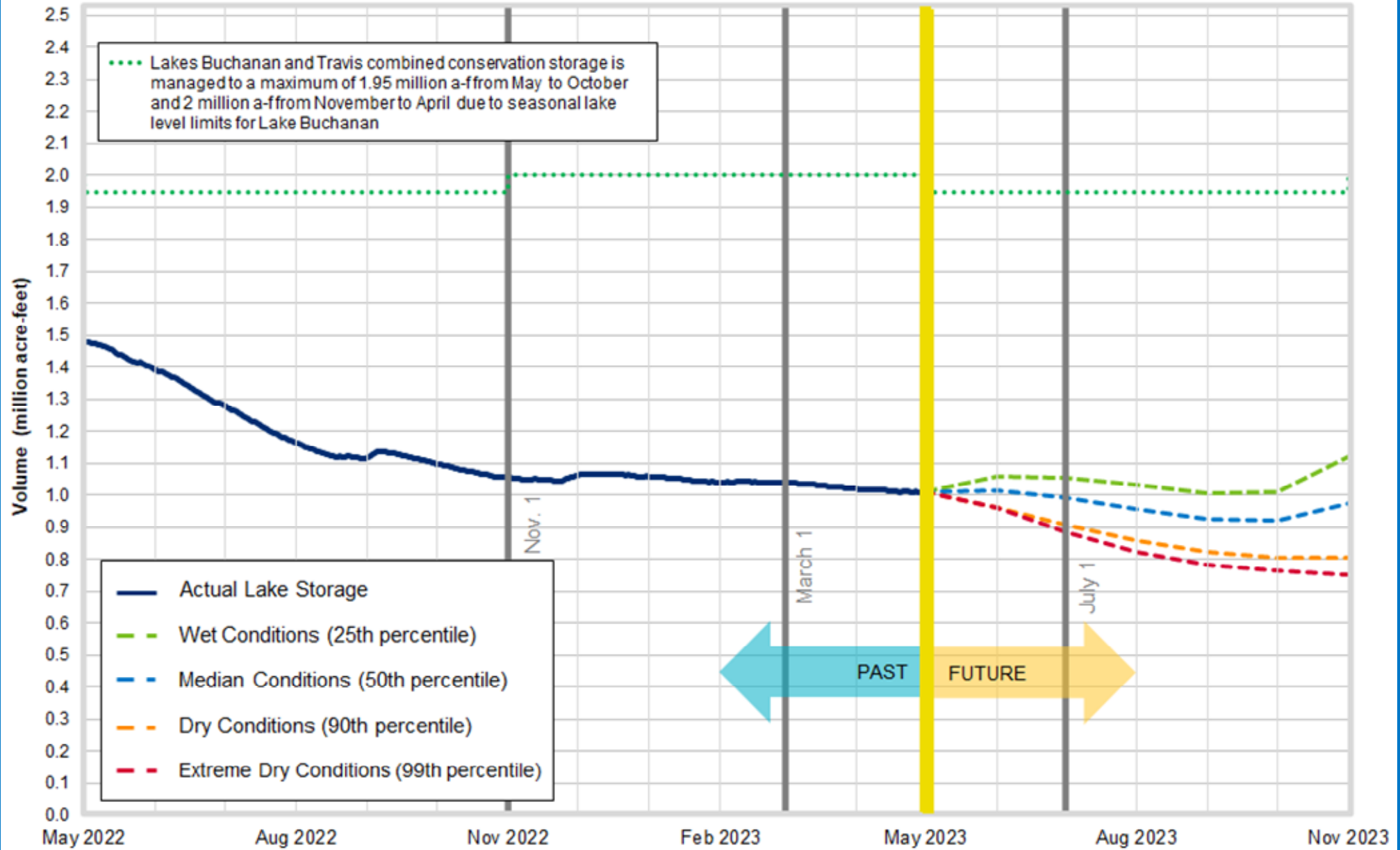


The combined storage data for 2023 is provisional and subject to change

Effective May 27, 2021, storage values are based on the Texas Water Development Board volumetric survey of Lake Buchanan published in 2020 and the Lake Travis survey published in 2021

The May 1 combined storage is 42,695 acre-feet greater in 2023 than in 2012

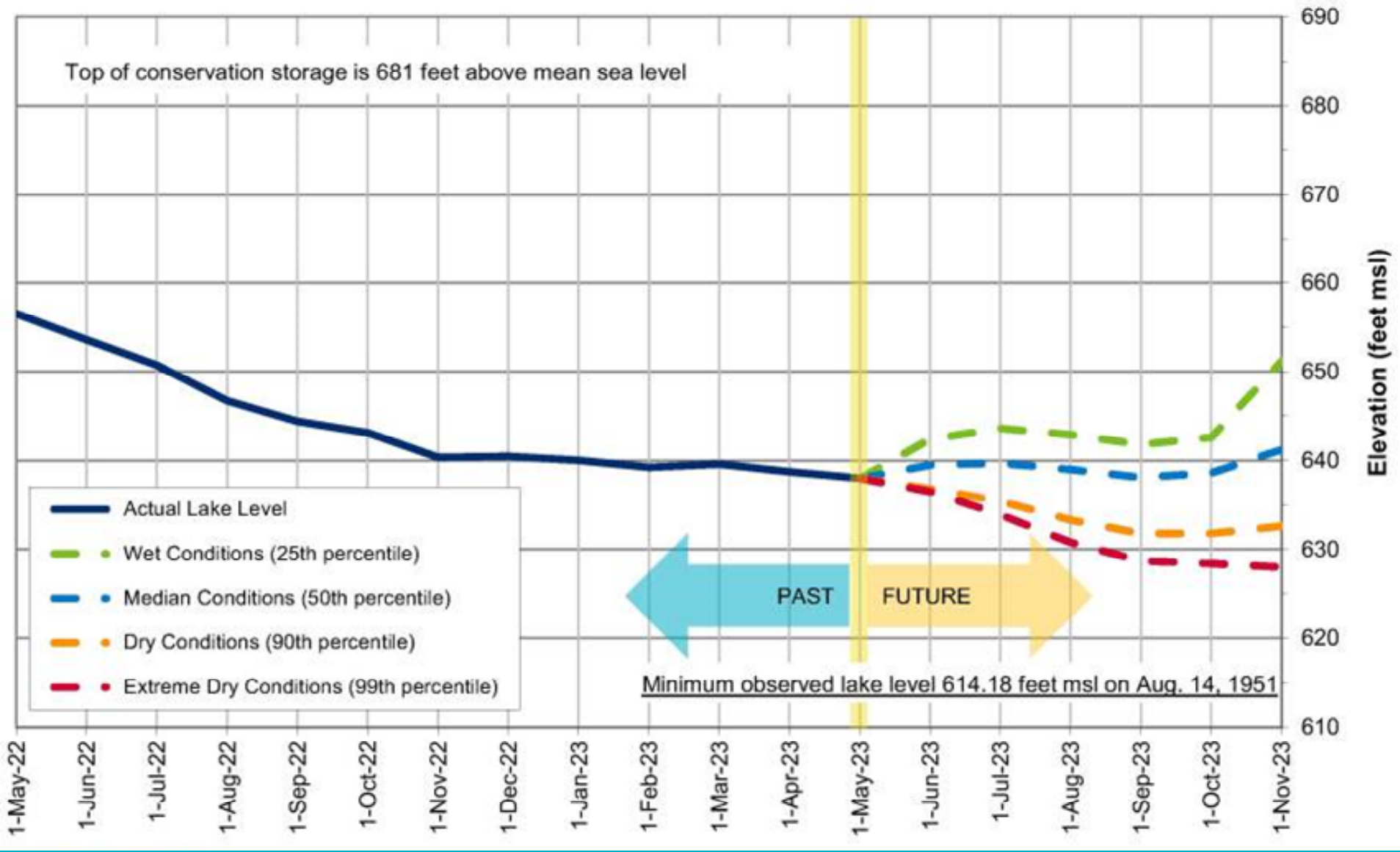
## Lakes Buchanan and Travis Total Combined Storage Projections



Date: May 1, 2023

Note: One acre-foot equals 325,851 gallons

# Lake Travis Level Projection\*



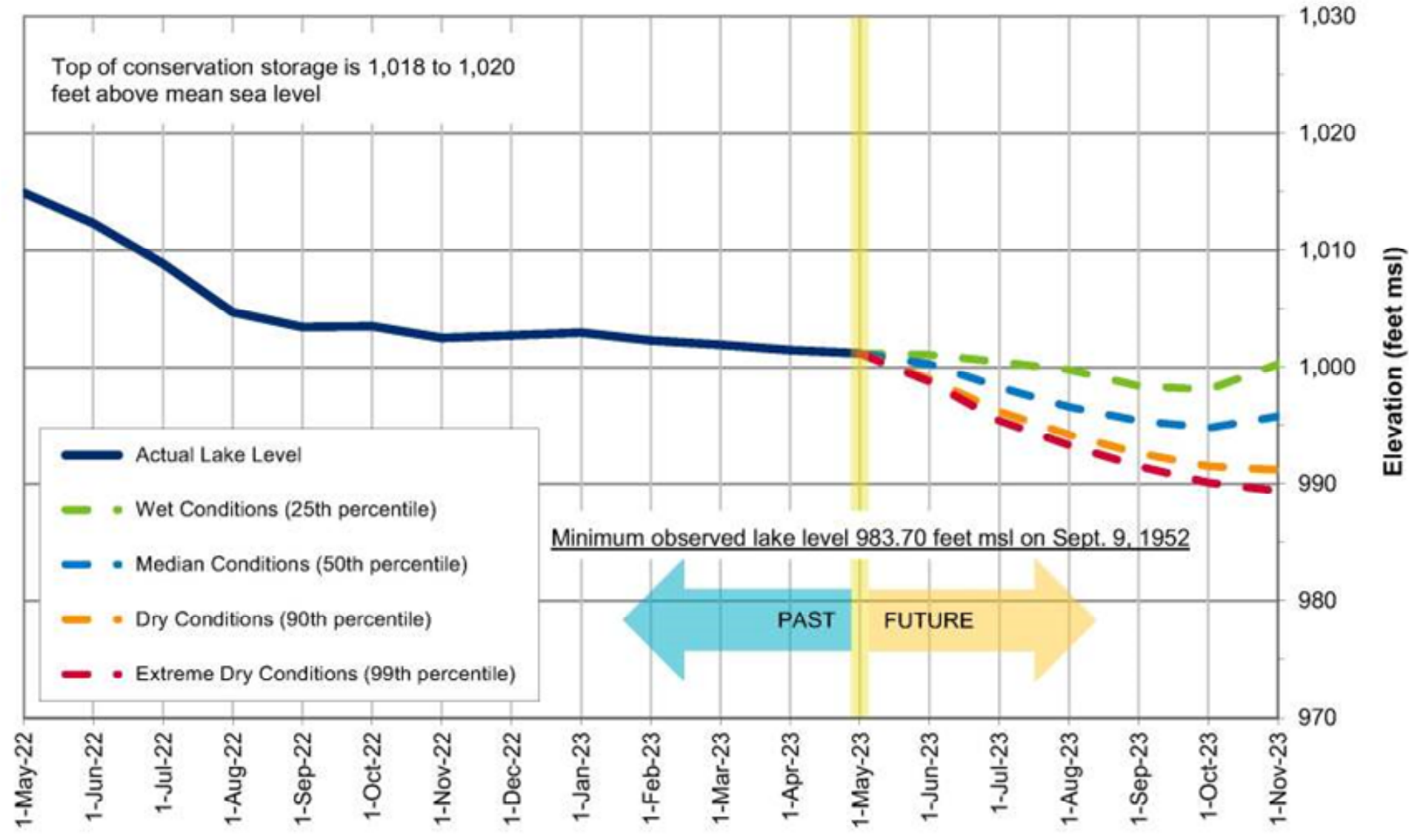
**Average for May:  
669.55 feet msl**

**Historic low (1951):  
614.18 feet msl**

\*Based on results from the draft stochastic model under development to reflect provisions of the 2020 Water Management Plan



## Lake Buchanan Level Projection\*



**Average for May:  
1,012.91 feet msl**

**Historic low (1952):  
983.70 feet msl**

\*Based on results from the draft stochastic model under development to reflect provisions of the 2020 Water Management Plan

# Lake Level Comparisons

	<b>May 1, 2022</b>	<b>May 1, 2023</b>
Lake Travis (feet msl)	656.08	637.97
Lake Buchanan (feet msl)	1,014.88	1,001.19
Combined storage* (a-f)	1,479,763	1,008,058

\*For purposes of the 2020 Water Management Plan, the combined storage is defined as the total of the daily average volume of water in lakes Buchanan and Travis. This determination excludes any water in Lake Buchanan above elevation 1,018 feet msl in the months of May through October or above 1,020 feet msl in the months of November through April and any water in Lake Travis above elevation 681 feet msl.



# LCRA

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